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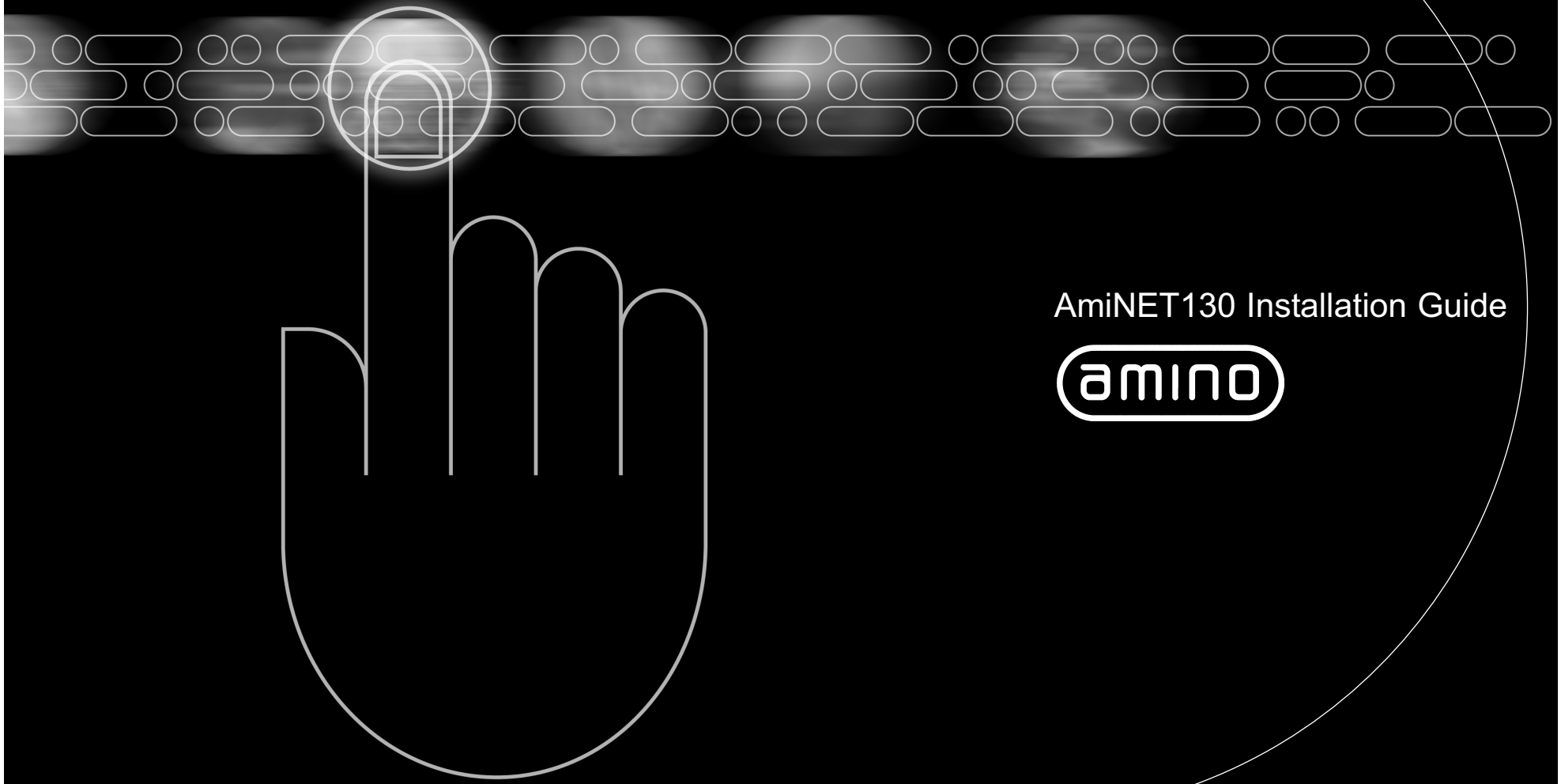

AmiNET130 Installation Guide

amino

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Thank you for choosing the Amino AmiNET130 STB

Please follow the instructions in this installation guide carefully in order to quickly and safely start enjoying the benefits of digital TV. We advise carefully reading all of the enclosed safety and installation instructions before using the AmiNET130. Please keep this installation guide close to your AmiNET130 for future reference.

Your service provider will give you a separate *User Guide* that will explain how to access the services and features that are available through your digital TV service.

Product Safety

Warnings, Cautions and Notes
Throughout this manual, please pay special attention to the following indications of potentially hazardous situations:

Warning!
Indicates a hazardous situation, which, if not avoided, could result in serious injury.

Caution!
Indicates a situation, which, if not avoided, could damage the product or other devices.

Note!
Indicates additional information to the user to make the user aware of possible problems and to help the user understand, use and maintain the product.

Warnings, cautions and notes are included in the product literature to ensure your safety and the correct operation of the product – please adhere to them.

Attachments
Use only the supplied accessories and attachments with your AmiNET130. Use of accessories or attachments that are not supplied or approved by the manufacturer may be unsafe, may be detrimental to the life or performance of the AmiNET130 and will immediately invalidate any product warranty.

Water and Moisture
To reduce the risk of fire or electric shock, this product, its accessories and attachments must not be exposed to any liquids, rain or moisture. The product must not be exposed to dripping, splashing or high humidity. Do not use this product in any location where it may become in contact with any liquid or vapour.

Product Care

Servicing
This product contains no user serviceable parts.

The product must not be dismantled. Attempts to dismantle the product may be unsafe, may be detrimental to the life or performance of the product and will immediately invalidate any product warranty.

Servicing must only be attempted by suitably qualified service personnel.

Cleaning
Do not spray any substance or use any polishes, thinners, abrasive cleaning products, liquids or aerosol products to clean the product, its accessories or attachments.

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About your AmiNET130

You control all the functions of the AmiNET130 using the Amino infra-red remote control in conjunction with on-screen menus provided by your service provider.

To Change Channel from the Front Panel

- Carefully slide the left-hand section of the front panel open to reveal the **+** and **-** buttons.
- Press **+** for STB Channel Up and **-** for STB Channel Down.

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Unpacking the AmiNET130

The AmiNET130 and its accessories are packed in a recyclable board and plastic package. Please keep all packaging in case you need to transport the unit at a later date.

The AmiNET130 is supplied with the following accessories:

Power supply for AmiNET130

Use with AC adaptor type No. ACD024A-05 by Sunfone

Mains lead

Component Video lead*

Amino remote control**

2 x AAA batteries for remote control**

Stand

* Your service provider may supply different leads from that shown.

**Your service provider may supply a different remote control from that shown.

If any of these accessories are missing please contact your service provider.

The front window of the AmiNET130 is protected with a clear plastic film. This should be removed and disposed of before using the product.

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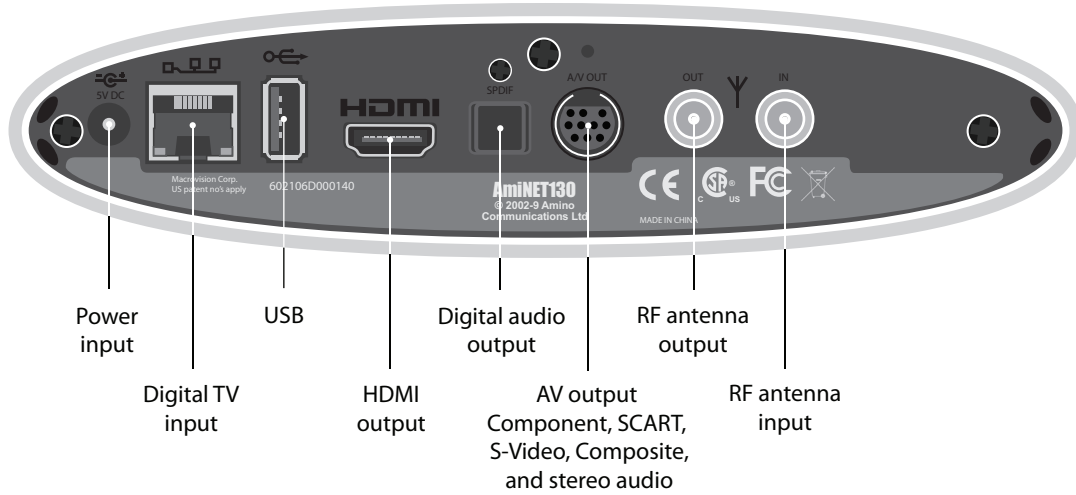
Back Panel Connections

The following diagram explains what the connections on the back panel of the AmiNET130 are for:



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Connecting up the AmiNET130

Warning!
Before connecting or disconnecting any cables, switch off all system devices (TV, VCR, AV Amplifier, etc) and disconnect from the mains electrical supply.

Digital TV Input

The AmiNET130 receives TV and movies from a digital TV network. Your service provider will have already installed a connection to this network which should be plugged into the digital TV input on the AmiNET130.

Connecting Video

The outputs for video and audio are listed below in order of picture quality, from high to low:

- HDMI, which gives digital High Definition video and audio. If your TV supports DVI then digital High Definition can be achieved with an HDMI-DVI cable (not supplied).
- AV Output, which provides:

  Component video, which can output analogue High Definition or the best quality Standard Definition video (ensure that you match the colour of the connectors to the cables).

  S-Video, which gives good picture quality.

  Composite, which gives standard video quality.
- RF, which gives the same quality as broadcast TV.

Connecting Audio

If you have a surround sound amplifier then you can connect it to the AmiNET130 via the digital audio output. If not then you will also need to connect the analogue audio from the AV output to the TV, unless you are connecting via HDMI or RF as these both carry a video and audio signal.

Connecting Power

The AmiNET130 is supplied with a low voltage power supply. Connect power supply to the power input on the AmiNET130 then connect power supply into the mains supply socket.

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Specification

(Multiple Standards)

AmiNET130

Physical Specifications

Weight	480g (16.9oz)
Dimensions (incl. rear connectors but excl. base) (approximately)	133mm (5.24") deep, 180mm (7.09") wide, 40mm (1.57") high
Operating Temperature	0°C (32°F) to 40°C (104°F)
Storage Humidity	5% ~ 95% RH (non-condensing)

RF Modulator

RF Input connector	75Ω F connector
Output channel	VHF channel 3 or 4 (US) UHF channel 21 to 68 (EU) UHF channels 1 or 2 (Japan)
TV standard	PAL/NTSC Standard Definition
RF output connector	75Ω F connector

Ethernet Interface

Ethernet connector	RJ-45 shielded connector
Cabling	STP Cat 5
Speed	Auto sensing 10/100Mbit/s
Indicators	Green LED - link, yellow LED - activity

USB Interface

Type	USB 2.0

HDMI

Type	HDMI
Connector	Type A

S-Video

Type	Y/C (separate luminance and chrominance)
Connector	4-pin Mini-DIN
Output	1Vp-p

Component Video

Type	EIA-770.2/EIA-770.3
Connectors	RCA, green=Y, red=Pr, blue=Pb.
Impedance	75Ω
Output	0.7Vpk-pk (+0.3V synch on Y signal)

Composite

Connector	RCA (yellow)
Output	1Vp-p

Analogue Audio

Audio Connectors	RCA, white = left channel, red = right channel
Output	2v RMS nominal
Impedance	10kΩ
Type	ISO 77816 parts 1, 2 & 3
Voltages supported	3.3v and 5v cards

Digital Audio Interface

Type	S/P-DIF optical output to IEC 60958
Connector	TOSLINK connector

Power Interface

Connector	DC10B 2.1mm x 5.5mm
Type	DC power socket, centre positive
Input	5V DC, 1.5A
Power	Less than 8W typical usage

External Power Supply

Specification

Type	High-efficiency switch-mode
Input	100~240V AC, 50~60Hz, 0.8A Max
Output	5V DC 3A
Weight (not including mains cable and plug)	156g (5.5oz) (approximate)
Dimensions (approximate)	77mm (3.0") long 33mm (1.3") high 47mm (1.9") wide

Packaging

Specification

Type	Cardboard printed gift-pack
Weight	1.4kg (49.4oz) including power supply, US mains lead, Amino remote control and all leads.
Dimensions (approximate)	70mm (2.8”) high, 296mm (11.7”) wide, 261mm (10.3”) deep

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Unpacking and Installing the Product

Once removed from the transit packaging, the AmiNET130 must be handled with care and must not be dropped, shaken or exposed to any physical shock.

The AmiNET130 is designed to be placed horizontally or vertically on a hard flat surface.

Do not place the AmiNET130 where it may be subject to physical shock or vibration or where the product may drop, topple, slide or shake as this may cause personal injury or irreparable damage to the product, which will not be covered by the manufacturer's warranty.

Do not operate the AmiNET130 on a soft surface such as carpet, rug, bed etc as these surfaces will obstruct airflow, may cause the product to overheat and will invalidate the warranty.

Do not install the AmiNET130 into any built-in installation such as bookcase or rack without ensuring that a minimum of 100mm (4") of clear space is available at the front, rear, sides and top of the product.'

Do not install the AmiNET130 where it may be exposed to direct sunlight or radiant, convected or conducted heat from an open fire or radiator.

The AmiNET130 should not be placed on any surface that may become warm in use (such as on top of a VCR or A/V amplifier) and nothing should be placed on top of the AmiNET130.

Do not cover the AmiNET130.

Objects containing liquids, such as vases, flowerpots etc must not be placed on top of the product.

Do not pick the product up or move the AmiNET130 whilst it is operating. If the product must be moved, please unplug the lead from the wall socket and wait 30 seconds before moving the product.

The AmiNET130 is not suitable for outdoor use.

The leads and power-supply cord must be routed where they cannot be walked on, chafed, tripped over or pinched by items being placed on or against them. Power-supply cords must not be routed underneath carpets or rugs where any damage could not be seen.

Power Sources

The AmiNET130 must ONLY be used with the power supply supplied by the manufacturer. The mains lead is fitted with a plug that is designed for use with the power source of the country of installation

Operation

The AmiNET130 and power supply will get warm to the touch when in use. If the AmiNET130, power supply or attachments become hot to the touch, immediately unplug the AmiNET130 from the mains electricity supply and call your service provider to arrange replacement.

Lightning Protection and Not in Use

If lightning is expected, or the product is not going to be used for a long period of time, please unplug the mains lead from the wall outlet, unplug the digital TV network connection from the rear of the product and unplug the video and RF leads to the television.'

Use with Plasma Displays

When used with certain display types, such as plasma displays, it is important that the picture is not paused for a long time (greater than 5 minutes) as the image displayed may then be 'burned' permanently into the screen of the display device. This effect is not a defect of the AmiNET130 but a limitation of the display device. Amino Communications Ltd. will not be held liable for damage so caused.

Software Updates

This product is designed to evolve and as a consequence, it benefits from software updates provided and installed automatically by your service provider. Amino Communications Ltd. and your Service Provider reserve the right to automatically update the software on the product in order to improve the product functionality.

During software updates, the AmiNET130 cannot be used and must not be switched off until the software update is complete.

The first time it is powered, it is possible that the AmiNET130 will immediately start updating itself with the latest operating software. While the software is updating it is important that the AmiNET130 is not switched off. The software update will be complete after a few minutes and you will then be ready to enjoy the full benefits of your new digital TV service.

Software License

Software License Agreement

IMPORTANT - PLEASE READ THIS CAREFULLY: By using the software in your AmiNET130 (“Product”), you (“You”) agree to be bound by the terms of this Software License Agreement (“Agreement”). If you do not agree to be bound by the terms of this Agreement, you must immediately cease all use of the Product and return the Product and all accessories, in the original packaging to your service provider, or the supplier from which you obtained the Product.

License Grant; Restrictions

Subject to the terms of this agreement, Amino Communications Ltd and its affiliates (collectively “Amino”) grants You a non-exclusive, non-transferable license, without the right to sub-license, to use the software included with the Product or subsequently provided to you, and its associated documentation solely for your non-commercial use and solely in connection with your use of the Product. You acknowledge and agree that Amino and your service provider may periodically update, modify or enhance the Product software. You agree that; a) you will not attempt to modify, enhance, disassemble, decompile, reverse engineer or otherwise attempt to gain access to the source code to the software; and b) you will not attempt to remove or unbundle the software from the Product. Any resale or transfer of the Product by you will be subject to the terms and conditions of this agreement.

Recorded Materials

The AmiNET130 is intended for the reception and recording of TV picture and sound signals (“Materials”) for personal use in conformance with applicable laws, license agreements or service agreements under which you have obtained access to such Materials. Any other use is expressly prohibited. It is Your responsibility to comply with, and you agree to be bound by, all such applicable laws and agreements. Unauthorized recording of copyrighted material, or providing copies of such material to others, may infringe the rights of copyright owners and may also be a criminal offence in some jurisdictions. Prior permission from the copyright owners may be required for certain public performances and certain commercial uses. You agree to indemnify and hold harmless Amino and its Licensors against any breach by You of applicable copyright restrictions in connection with your use of the Product. Your service provider can advise you on the legitimate use of the Product.

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Termination

This agreement and the licenses granted hereunder shall immediately terminate if you fail to comply with the license limitations described in this agreement. No notice will be required from Amino to effect such termination. On termination of this agreement you must return all hardware, software and product documentation and accessories to the service provider, or the supplier from which you obtained the Product.

Export Controls

You acknowledge and agree that none of the software or underlying information or technology may be downloaded or otherwise exported or re-exported: a) into (or to a national or resident of) Angola, Cuba, Iran, Iraq, Libya, North Korea, Sudan, Syria, or any other country to which the US has embargoed goods; or any one on the US Treasury Department's list of Specially Designated Nationals or the US Commerce Department's Table of Denial Orders. By using the software, you represent and warrant that you are not a resident or national of any such country or on any such list.

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This software is a commercial product and is provided with restricted rights. Use, reproduction, release, modification or disclosure of the software or any part thereof including technical data is restricted in accordance with Federal Acquisition Regulation (FAR) 21.212 for civilian agencies and Defense Federal Acquisition (DFARS) 227.7202 for military agencies.

Law

If you acquired this Product in the United States, this agreement shall, in all respects, be governed by the laws of the State of Georgia without reference to its principles or conflicts of laws. You hereby agree that all disputes arising out of this agreement shall be subject to the exclusive jurisdiction and of and venue in the federal and state courts within Atlanta, Georgia, and you hereby consent to the personal and exclusive jurisdiction and venue of these courts. If you acquired this product in the United Kingdom, the laws of England shall apply, and you hereby consent to the exclusive jurisdiction and venue of these courts. If you acquired this product elsewhere, then local law may apply.

Miscellaneous

If any of the provisions of this agreement are held to be invalid under any applicable statute or rule of law, they are, to that extent, deemed omitted. Any delay by Amino in exercising any of its rights shall not constitute a waiver of any such right. This agreement constitutes the complete and exclusive agreement between you and Amino with respect of the subject matter hereof and supercedes all prior oral or written understandings, communications or agreements. This agreement may not be modified except in writing by a duly authorized representative of Amino. All headings are for convenience and shall have no effect on interpretation of this Agreement.

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Warranty

A warranty for your AmiNET130 is offered through your service provider, or the supplier from which you obtained it. In the case of your AmiNET130 requiring servicing, please contact your service provider directly.

Trademarks

Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Manufactured under license from Dolby Laboratories.

HDMI is the trademark of HDMI Licensing, LLC.

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Approvals

FCC Registration and Requirements

The following paragraphs set out requirements and information required by FCC rules:

FCC Rules, Part 15

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio-frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio of television, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation

Manufacturer: Amino Communications Ltd
Address: Buckingway Business Park,
Anderson Road, Swavesey, Cambridge CB24 4UQ
United Kingdom.

Safety

The following paragraphs describe requirements and conformity:

Conformity

IEC 60065:2001 +A1:2005 / EN60065: 2002 +A1: 2006
CAN/CSA 60065-03 incl. AM1
UL 60065-2007

European Approvals

This product complies with EU directives:
2006/95/EC (Low voltage Directive)
2004/108/EC (EMC Directive)
2002/95/EC (RoHS Directive)

Product Disposal Information - EU only

AmiNET products are labelled in accordance with the European Directive 2002/96/EC concerning Waste Electrical and Electronic Equipment (the WEEE Directive) and therefore should not be disposed of with other household or commercial waste.

Product Disposal Instructions for Residential Users

Please remove any batteries and dispose of them and the product as per your local authority's recycling processes. For further information please contact your local authority or the retailer where the product was purchased.

Product Disposal Instructions for Business Users

Business users should contact their supplier and check the terms and conditions of the purchase contract and ensure that the product is not mixed with other commercial waste for disposal.commercial waste for disposal.